

EC TYPE-EXAMINATION CERTIFICATE: 0154

Product description: -

Hearing Protectors - Ear-plugs

Product identification: -

See schedule

Manufacturer: -

3M United Kingdom PLC
3M Centre
Bracknell
Berkshire
RG12 8HT
United Kingdom

When assessed and examined against harmonised standard EN352-2:1993 is found to be in conformity with Council Directive 89/686/EEC relating to personal protective equipment

Signed

K J Warren, Manager, Certification Services

Date: 5th July 1994

For and on behalf of INSPEC International Ltd.
56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ
England (Notified Body No: 0194)

certificate invalid
if not embossed

For terms and conditions of issue, see page 2

Terms and Conditions

Reference Documents: -

- | | | | |
|------|--------------------------|---|---|
| i) | Test Report | - | INSPEC Laboratories
94.09.92, 94.10.53, 92.10.26,
92.10.33, 00.03.76A, 01.07.33
92.10.24, 92.10.31 |
| ii) | Technical File | - | TF/154 |
| iii) | Test and Inspection Plan | - | QAP. ROLL DOWN |

Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.

CERTIFICATION INDEX

Item	Status	Issued	Amendment
Page 1 of 2 Amendment THREE	Withdrawn	27/7/01	
Page 2 of 2 Amendment THREE	Withdrawn	27/7/01	
Schedule No. ONE	Withdrawn	27/7/01	
Pages 1-4	Valid	100803	Change of certificate format and address

CERTIFICATION SCHEDULE

Description: Tracers

Size Range: 7 - 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	25.1	25.3	24.2	27.6	26.4	30.5	35.9	39.4
Standard Deviation (dB)	5.8	6.7	6.6	7.2	6.2	5.3	8.6	7.6
Assumed Protection (dB)	19.3	18.6	17.6	20.5	20.2	25.2	27.4	31.8

$H = 25$; $M = 21$; $L = 20$ $SNR = 25$

Description: Ultrafit, UF-02-000

Size Range: 7 - 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	26.3	27.7	26.4	28.2	26.3	31.2	36.2	40.2
Standard Deviation (dB)	6.4	7.9	8.2	7.6	5.6	5.5	7.5	5.9
Assumed Protection (dB)	19.9	19.8	18.3	20.6	20.6	25.7	28.8	34.3

$H = 26$; $M = 22$; $L = 20$ $SNR = 25$

Description: Ultrafit Plus

Size Range: 7 - 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	27.8	29.9	29.6	30.8	35.3	34.6	38.7	43.0
Standard Deviation (dB)	6.8	8.2	7.7	6.8	6.7	7.1	8.8	5.9
Assumed Protection (dB)	21.0	21.7	22.0	24.0	28.5	27.5	29.9	37.1

$H = 29$; $M = 27$; $L = 24$ $SNR = 29$

Description: Ultratech

(a.k.a. "Hi-Fi")

Size Range: 7 - 12

Frequency	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.3	15.3	18.1	20.8	21.8	26.3	21.5	27.0
Standard Deviation (dB)	3.3	2.9	3.6	4.3	3.5	3.0	3.2	4.7
Assumed Protection (dB)	11.0	12.3	14.5	16.4	18.3	23.3	18.3	22.3

$H = 21$; $M = 18$; $L = 16$ $SNR = 21$

In addition to the products referenced on this certificate, the standard industrial product may also be sold as market specific packaged variants. Such variants will be identified by an alpha suffix after the model reference and the Technical File will be updated with the appropriate information.